SUBMITTED

GH Phipps has reviewed and herby submits the attached in accordance with the contract documents.

Note to Subcontractor/ Material Supplier: Subcontractor/ Material Supplier remains responsible for the confirmation and correlation of dimensions at the jobsite; fabrication processes and construction techniques; coordination of the work with the work of other trades; and satisfactory performance of the work.

X

1610 W. Evans Ave.
Englewood, CO 80110
303.975.2116 tel
303-922-0469 fax
jweiss@long.com

LONG

BUILDING ENVIRONMENTS

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EQUIPMENT SUBMITTAL

PROJECT	**APS Pickens**
ARCHITECT	OZ
ENGINEER	**The Ballard Group**
CONTRACTOR	**Pyramid Mechanical**
ITEM	**CRAC-1&2**
MANUFACTURER	**I** Mitsubishi
SUBMITTED BY	**LONG Building Environments**

Equipment will not be released for production until formal approval is received.

DATE: 6/24/14

Will provide condensate pump

CRAC-1

MITSUBISHI ELECTRIC
COOLING & HEATING

Mr.SLIM
Split-ductless A/C and Heat Pumps

SUBMITTAL DATA: MSY-D36NA & MUY-D36NA

36,000 BTU/H WALL-MOUNTED AIR-CONDITIONING SYSTEM

Job Name:	Location:	Date:
Purchaser:	Engineer:	
Submitted to:	For ☐Reference ☐Approval ☐Construction	
System Designation:	Schedule No.:	

GENERAL FEATURES

- Catechin and anti-allergy enzyme filters for high air-purification capabilites
- Updated sleek, compact indoor unit design
- Remote-controlled wide airflow enables ideal horizontal air distribution
- Self-check function—onboard diagnostics
- Advanced microprocessor control
- Auto restart following a power outage
- Hand-held Wireless Remote Controller
- Anti-allergy Enzyme Filter
- Limited warranty: five years on parts and defects and seven years on compressors

OPTIONAL ACCESSORIES

Outdoor Unit

☐ Drain Socket Assembly (MAC-811DS)

Indoor Unit

☐ Three-pole Disconnect Switch (TAZ-MS303)
☐ Condensate Pump (230V; SI3100-230)

Controller Options

☐ Wall-mounted Wired Remote Controller (PAR-21MAA; req. MAC-3971F)
☐ MA Contact Terminal Interface (MAC-397IF)
☐ M-NET Control Adapter (MAC-399IF)
☐ Remote Temperature Sensor (M21-JKO-307)
☐ Lockdown Bracket for Hand-held Controller (RCMKP1CB)

Cooling*

Rated Capacity . . . . . 34,600 Btu/h
Minimum Capacity . . . . . 9,800 Btu/h
SEER . . . . . 15.1 Btu/h/W
Total Input . . . . . 4,240 W

* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB, 67°F (19°C) WB; Outdoor: 95°F (35°C) DB, 75°F (24°C) WB.

Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Breaker Size . . . . . 25 A

Voltage

Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC 12-24V
Indoor - Remote Controller . . . . . Wireless

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90°F (32°C) DB, 73°F (23°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	14°F (-10°C) DB

Indoor Unit: MSY-D36NA

Wireless Remote Controller

Outdoor Unit: MUY-D36NA

Indoor Unit

MCA . . . . . 1 A
Fan Motor . . . . . 0.76 F.L.A.
Airflow
Cooling (Lo - Med - Hi - Powerful) 389 - 639 - 848 - 887 Dry CFM
350 - 576 - 763 - 798 Wet CFM
Sound Pressure Level
Cooling (Lo - Med - Hi - Powerful) . . . . . 32 - 42 - 49 - 51 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	46-1/16 / 1,170
D	11-5/8 / 295
H	14-3/8 / 365

Weight . . . . . 40 lbs. / 18 kg
External Finish . . . . . Munsell No. 1.0Y 9.2 / 0.2
Field Drainpipe Size O.D. . . . . 5/8" / 15.88 mm

Outdoor Unit

Compressor . . . . . DC Inverter-driven Rotary
MCA . . . . . 21 A
Fan Motor . . . . . 0.93 F.L.A.
Sound Pressure Level
Cooling . . . . . 56 dB(A)

DIMENSIONS	INCHES / MM
W	33-1/16 / 840
D	13 / 330
H	33-7/16 / 849

Weight . . . . . 126 lbs. / 57 kg
External Finish . . . . . Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 5/8" / 15.88 mm
Liquid Side . . . . . 3/8" / 9.53 mm
Max. Refrigerant Pipe Length . . . . . 100' / 30 m
Max. Refrigerant Pipe Height Difference . . . . . 50' / 15 m
Connection Method . . . . . Flared

R410A INVERTER

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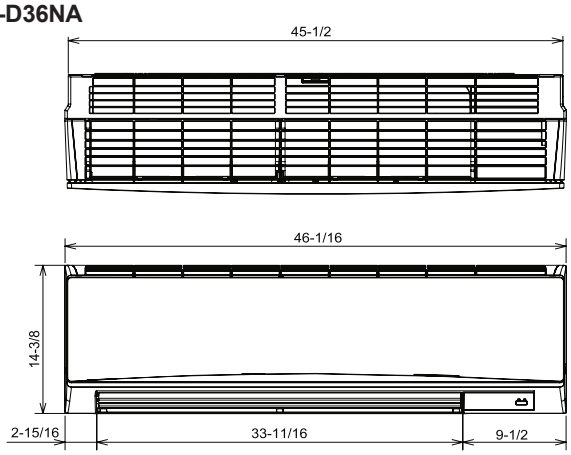
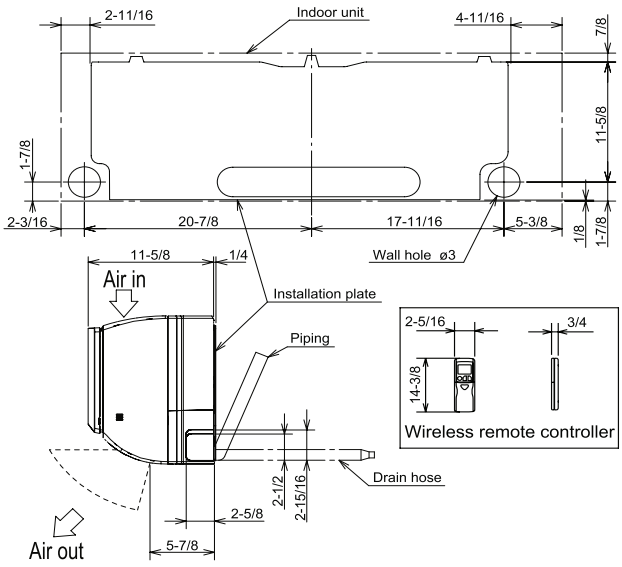
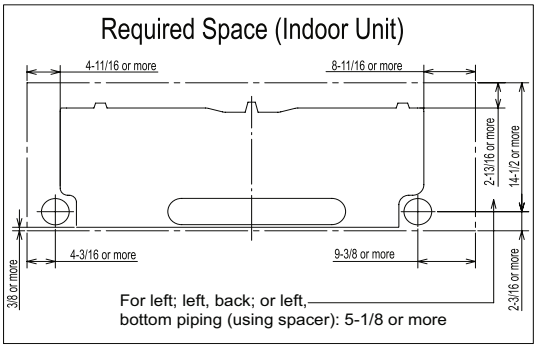
DIMENSIONS: MSY-D36NA & MUY-D36NA

MSY-D36NA

Unit : inch



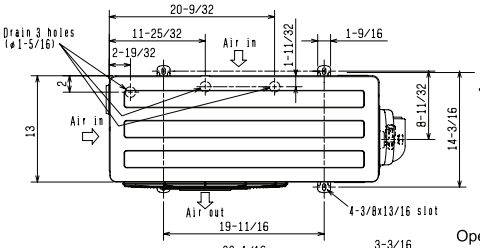


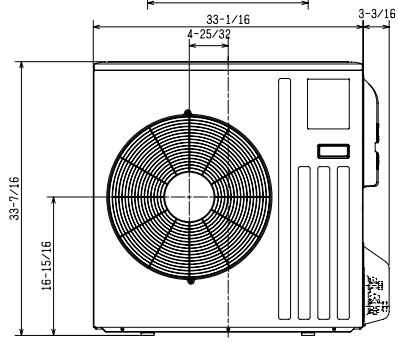

Required Space (Indoor Unit)
4-11/16 or more
8-11/16 or more
2-13/16 or more
14-1/2 or more
4-3/16 or more
9-3/8 or more
3/8 or more
2-3/16 or more
For left; left, back; or left, bottom piping (using spacer): 5-1/8 or more

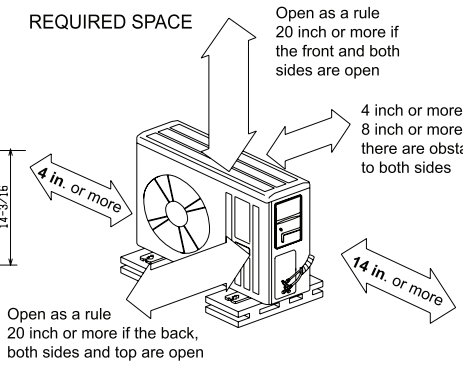
	Piping	Insulation
Liquid line	ø3/8 19-11/16 (Flared connection ø3/8)	ø1-1/4 O.D. ø9/16 I.D.
Gas line	ø5/8 16-7/8 (Joint connection ø5/8)	ø1-15/16 O.D. ø1-1/4 I.D.
Joint	ø5/8 (Flared connection ø5/8)	ø1-15/16 O.D. ø1-1/4 I.D.
Drain hose	Insulation ø1-1/8 Connected part ø9/16 O.D.	

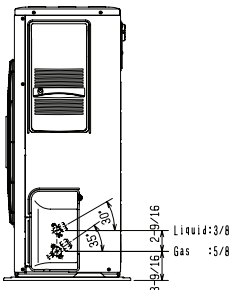
MUY-D36NA

Unit: inch






REQUIRED SPACE
Open as a rule
20 inch or more if
the front and both
sides are open
4 inch or more /
8 inch or more if
there are obstacles
to both sides
4 in. or more
14 in. or more
Open as a rule
20 inch or more if the back,
both sides and top are open



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Specifications are subject to change without notice.

FORM# MSY-D36NA ~ MUY-D36NA - 201108

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MITSUBISHI ELECTRIC

HVAC Advanced Products Division

Mr. SLIM®

Split Zoning A/C and Heat Pumps

SUBMITTAL DATA: MSY-GA24NA & MUY-GA24NA

24,000 BTU/H WALL-MOUNTED AIR-CONDITIONING SYSTEMS

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For ☐ Reference ☑ Approval ☐ Construction

Unit Designation: Schedule No.:

GENERAL FEATURES

- Wall-mounted indoor unit for residential and small commercial applications
- Standard Hybrid Catechin Prefilter is included with indoor unit
- Quiet operation
- "Powerful Mode" function permits system to temporarily run at a lower/higher temperature with an increased fan speed, which quickly brings the room to the optimum comfort level
- Wireless remote controller is included; PAR-21MAA wired remote controller can be installed as an option
- Indoor unit powered from outdoor unit using A-Control
- Auto fan speed control; auto restart following a power outage
- Limited warranty: five years on parts and defects and seven years on the compressor

OPTIONAL ACCESSORIES

Outdoor Unit

- Drain Socket Assembly (MAC-811DS)

Indoor Unit

- M-NET Control Adapter (MAC-399IF)
- MA Contact Terminal Interface (MAC-397IF)
- Wired Remote Controller (PAR-21MAA; requires MAC-397IF)
- Condensate Pump (230V; SI3100-230)
- Anti-allergy Enzyme Filter (Two pieces per set; MAC-2300FT)

Indoor Unit: MSY-GA24NA

Wireless Remote Controller

Outdoor Unit: MUY-GA24NA

Cooling*

Rated Capacity . . . . . 22,000 Btu/h
Minimum Capacity . . . . . 4,400 Btu/h
SEER 17.5
Total Input . . . . . 2,500 W

* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB, 67°F (19°C) WB; Outdoor: 95°F (35°C) DB, 75°F (24°C) WB.

Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Breaker Size . . . . . 20 A

Voltage

Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC 12-24V
Indoor - Remote Controller . . . . . Wireless

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90°F (32°C) DB, 73°F (23°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	14°F (-10°C) DB

Indoor Unit

MCA . . . . . 1 A
Fan Motor . . . . . 0.76 F.L.A.
Airflow (Lo - Med - Hi - Powerful)
Cooling . . . . . 296 - 431 - 568 - 624 Dry CFM
265 - 385 - 508 - 558 Wet CFM

Sound Pressure Level (Lo - Med - Hi - Powerful)
Cooling . . . . . 34 - 40 - 49 - 51 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	43-5/16 / 1,100
D	10-1/4 / 260
H	12-13/16 / 325

Weight . . . . . 37 lbs. / 17 kg
External Finish . . . . . Munsell No. 1.0Y 9.2 / 0.2
Field Drainpipe Size O.D. . . . . 5/8" / 15.88 mm
Remote Controller . . . . . Wireless
(Optional Wired Remote Controller PAR-21MAA; see Data Submittal Sheet)

Outdoor Unit

Compressor . . . . . DC-driven Inverter Twin Rotary
MCA . . . . . 17 A
Fan Motor . . . . . 0.93 F.L.A.
Sound Pressure Level
Cooling . . . . . 55 dB(A)

DIMENSIONS	INCHES / MM
W	33-1/16 / 840
D	13 / 330
H	33-7/16 / 849

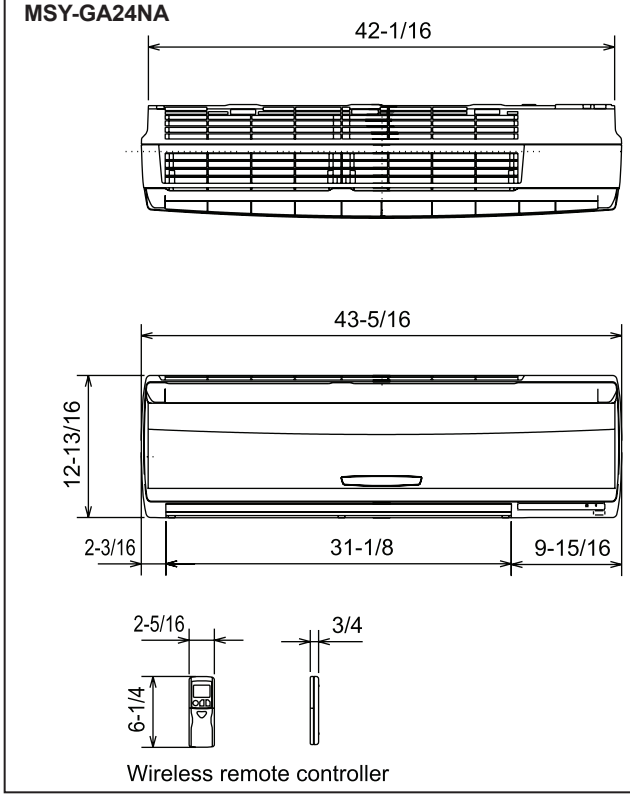
Weight . . . . . 117 lbs. / 53 kg
External Finish . . . . . Munsell 3Y 7.8 / 1.1

Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 5/8" / 15.88 mm
Liquid Side . . . . . 1/4" / 6.35 mm
Max. Refrigerant Pipe Length . . . . . 100 ft. / 30 m
Max. Refrigerant Pipe Height Difference . . . . . 50 ft. / 15 m
Connection Method . . . . . Flared

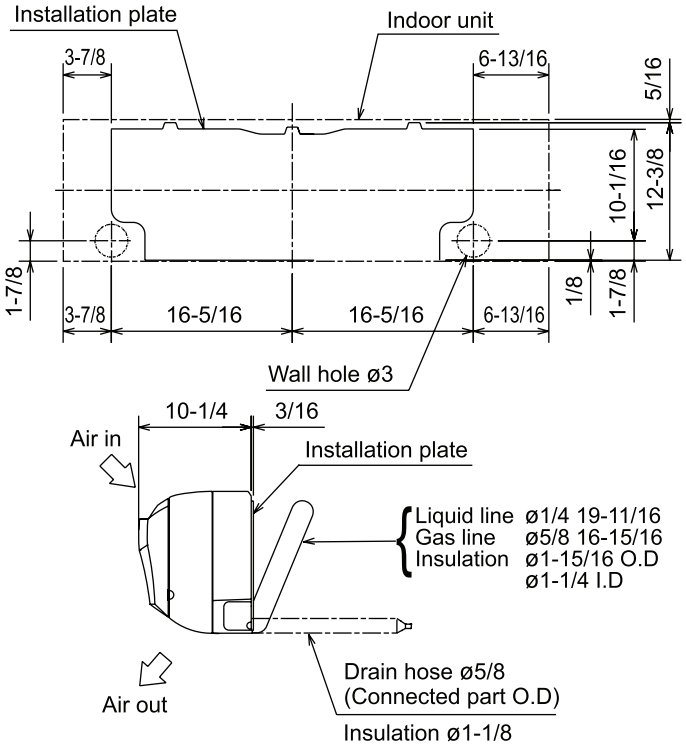
R410A INVERTER

DIMENSIONS: MSY-GA24NA & MUY-GA24NA

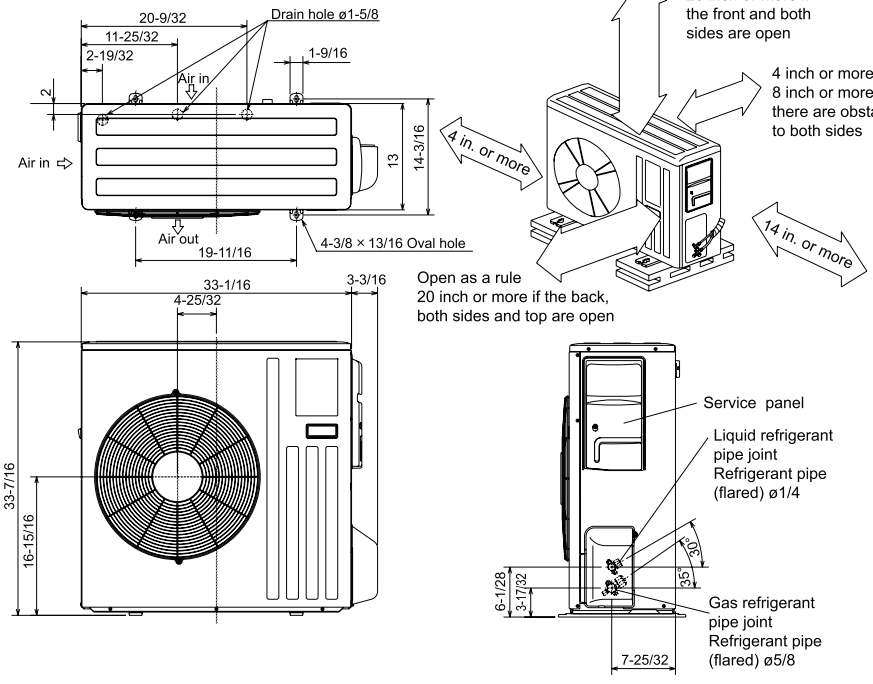
MSY-GA24NA



Wireless remote controller



MUY-GA24NA



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